

Claims

What is claimed is:

1. A motorized personnel carrier comprising:
 - a. left front wheel and right front wheel, each of which is operatively coupled to a first drive mechanism which common to said left and right front wheels;
 - b. first and second universal joints, the first being disposed between said left front wheel and said first drive mechanism and the second being disposed between said right front wheel and said first drive mechanism;
 - c. left rear wheel and right rear wheel operatively coupled to a second drive mechanism which is common to said left and right rear wheels and is not operatively engageable with said first drive mechanism;
 - d. first, reversably rotatable electric motor which is selectively engageable with said first drive mechanism;
 - e. second reversably rotatable electric motor which is selectively engageable with said second drive mechanism;
 - f. electric battery means; and,
 - g. means to selectively control the power and polarity of the electrical power to each of said electric motors.
2. The vehicle of Claim 1 wherein said first drive mechanism is comprised of differential gear mechanism making said left and right front wheels rotatable at different speeds.
3. The vehicle of Claim 1 wherein said second drive mechanism is comprised of differential gear mechanism making said left and right wheels rear rotatable at different speeds.
4. The vehicle of Claim 2 wherein the second drive mechanism is comprised of differential gear mechanism making all four wheels of the vehicle rotatable at different speeds.

5. The vehicle of Claim 1 wherein each of said universal joints are comprised of a constant velocity joint.
6. The vehicle of Claim 5 wherein said first drive mechanism is comprised of differential gear mechanism making said left and right front wheels rotatable at different speeds.
7. The vehicle of Claim 5 wherein said second drive mechanism is comprised of differential gear mechanism making said left and right wheels rear rotatable at different speeds.
8. The vehicle of Claim 6 wherein the second drive mechanism is comprised of differential gear mechanism making all four wheels of the vehicle rotatable at different speeds.